

MD iMap Technical Committee Meeting Minutes

Place: Department of the Environment (MDE): Terra Conference Room (Baltimore, MD)
Date: 3/5/13
Time: 1:00PM – 3:00 PM
Attendees: Rowland Agbede (MDA), Jim Cannistra (MDP), Kevin Coyne (DNR), Bill Fearington (DHR), Julia Fischer (DoIT), Matt Folley (MDP), Jason Keppler (DoIT), Barney Krucoff (DoIT/GIO), Lisa Lowe (DoIT), John Madigan, Russell Provost (DoIT/ESRGC), Anthony Puzzo (Esri), Frank Siano (MDE), Matt Sokol (DoIT) and Brad Wolters (DHCD),
Phone Attendees: Kristen Ahearn (StateStat), Ashley Buzzeo (CGIS), Doug Reedy (Frederick County)

AGENDA:

- Introductions 1:00 – 1:10
- MD iMap Executive Committee Meeting 1:10 – 1:30
 - ELA Statistics
- Data & Resources Subcommittee Updates 1:30 – 1:40
 - Addressing Initiative Updates – *Russell Provost* 1:40 – 1:50
 - Cascading Geocoder – *Russell Provost & Ashley Buzzeo* 1:50 – 2:00
- Outreach Subcommittee Updates 2:00 – 2:10
- Application Subcommittee Updates 2:10 – 2:20
 - MD iMap Application Template Update 2:20 – 2:30
- Security Policy/Discussion – *Barney Krucoff* 2:30 – 2:40
- Additional Business 2:40 – 3:00

NEW ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Cascading Geocoder <ul style="list-style-type: none">• Remove “Marker” from Mile Marker category• Add option for interstates to include without space or dash between “I” and number (i.e. I83)	3/5/13	CGIS
City Engine	3/5/13	MDP

• Present City Engine at next Technical Committee Meeting		
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ON-GOING ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
USDOT Cloud Utilization Survey <ul style="list-style-type: none"> Send acceptance to USDOT, we are on the second tier list of user's discussion. No further communication Phone conversation with them to start 	Updated: 1/15/13 Submitted: 11/20/12	Kaushik Dutta & Barney Krucoff

APPLICATION SUBCOMMITTEE ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Geocortex <ul style="list-style-type: none"> Request DoIT contractors explore and report back to the group concerning the raw code and opportunities for modification 	Submitted: 1/15/13	DoIT GIO Office
How to consume Socrata services in MD iMap <ul style="list-style-type: none"> Python script being coded and tested on some transportation and MDA data which has been uploaded to Socrata, more details to follow Test the potential for automated updates using available .xml feeds or other resources out of Socrata and report back to the group 	Updated: 2/5/13 Submitted: 1/15/13	Kristen Ahearn, Kaushik Dutta & Jason Keppler
Google Map Engine <ul style="list-style-type: none"> Negotiate with Google through the existing Google contract with DoIT 	Submitted: 9/4/12	GIO
SwGi/Version 10.1 Migration <ul style="list-style-type: none"> MD iMap infrastructure being kept at Esri Version 10.0 at present DoIT providing a server for development at Esri Version 10.1 at present Meeting scheduled w/Amazon for Wed. 9/5/12 10.1 migration anticipated by January 2013 by CGIS 1 meeting at CGIS Not yet created design Invite Esri to participate in a design session 	Updated: 11/20/12; 9/4/12; 7/17/12; 3/23/12 Submitted: 3/6/12	GIO
Application Submission Procedures <ul style="list-style-type: none"> Update detailed procedures for application creation and update Resend Application Submission Procedures draft to Technical Committee (Co-chairs) 	Submitted: 6/21/11	Technical Committee

DTA & RESOURCES SUBCOMMITTEE ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Data and Resources Subcommittee <ul style="list-style-type: none"> Send out email this week to connect with those who volunteered to be on the Data and Resources Subcommittee 	Submitted: 2/5/13	Lisa Lowe

REST Endpoint Service Descriptions <ul style="list-style-type: none"> Any changes that need to be made to these descriptions or legends should be submitted to Ashley Buzzeo 	Submitted: 12/20/11	MD iMap Service Data Owners
WFS-Enabled OSPREY Services <ul style="list-style-type: none"> Instructions and list of available WFS-enabled services to be added to Portal early September Ownership in question Follow up with owners of OSPREY data to determine if layers can be WFS-enabled 	Updated: 9/4/12; 3/23/12 Submitted: 12/6/11	Kenny Miller
GIS/Archives Appraisal Questions <ul style="list-style-type: none"> Distribute survey to as many municipal, county and state agencies, as possible, for potential participation 	Submitted: 7/5/11	Technical Committee
Feedback/Requests concerning MD iMap <ul style="list-style-type: none"> Statewide tax map service being developed by MDP – will be made available on MD iMap in future PFA map service now includes a field “State Eligible” w/ Yes or No Look to obtain most recent statewide DEM from Salisbury and discuss effort/timeline for generating hillshade and getting posted Still updating Add Plat # to parcel Maybe add address Add PFA in/out: resistance to this update Check for hillshade, which can be added as map service, @ MDP Add Hillshade Service: Inquire at DNR if they have a hillshade available – to check Add Map/Parcel ID Look-Up: Follow up with requestor (Jason Zhao – MDE) to clarify request 	Updated: 9/4/12; 3/23/12; 10/4/11 Submitted: 6/7/11	Jim Cannistra
Cascading Geocoder <ul style="list-style-type: none"> Testing going well and anticipate deploying in the near future The 11 address locators that the composite locator will use are created Geocoders have been defined, data being collected, geocoders to be created and tested in the upcoming weeks Research concerning development of composite geocoder underway Composite geocoder on task list for CGIS FY2013 Ashley Buzzeo will work with Brad Wolters to determine if this composite geocoder will meet these additional search criteria needs 	Updated: 3/5/13; 2/5/13; 1/15/13; 12/4/12; 9/4/12 Submitted: 1/18/11	CGIS
WFS Services <ul style="list-style-type: none"> Top 10 list to be assembled during next Data & Resources Subcommittee meeting List of enable services, email to group 	Updated: 4/5/11 Submitted: 3/15/11	Data & Resources Subcommittee
Web Mercator Data Service Projection <ul style="list-style-type: none"> DoIT recreating MD iMap map services in 10.1 Web Mercator projection 	Updated: 11/20/12;	GIO Office

<ul style="list-style-type: none"> Need to move projections to Web Mercator Per MES, EMMA replacement will use Web Mercator projection Assess costs in labor and storage for creation of MD iMap data services (except imagery) in Web Mercator projection – Will determine with DNR & CSSC (lots of variables: migration to 10, etc.) 	3/6/12; 10/4/11; 4/5/11 Submitted: 1/4/11	
Metadata Services <ul style="list-style-type: none"> Forward electronic list to group Updated list to be provided by Friday, 1/7/2011 Updated list to be provided at 1/4/2011 meeting Remaining “offenders” actively being pursued Resend email to “offenders” to complete metadata Email resent and follow-up by Kenny Miller to occur MDP has provided metadata for all their services on MD iMap Follow-up concerning how to obtain the missing metadata for services currently being hosted on MD iMap Email sent to Kenny Agency leads from Tech. Comm. to make progress <ul style="list-style-type: none"> Direct contact of data owners A listing of services for which metadata is needed was provided. It was discussed that some metadata may not be available from the data producers. This is especially true for parcel data. Metadata at the service level will be written by MDP for parcel data to go along with the MD iMap refresh process 	Updated: 1/18/11; 1/4/11; 12/21/10; 10/5/10; 8/3/10; 7/12/10; 6/22/10; 5/18/10 Submitted: 4/20/10	Data & Resources Subcommittee Co-chairs

OUTREACH SUBCOMMITTEE ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
Twitter/Communication Plan <ul style="list-style-type: none"> List of every CIO for inclusion on email alerts 	Submitted: 11/15/11	GIO
<ul style="list-style-type: none"> Recruit participants Obtain feedback concerning how to improve upon current outreach strategies Email potential new members directly 	Updated: 5/18/10; 4/20/10 Submitted: 3/16/10	Outreach Subcommittee
<ul style="list-style-type: none"> Proactive Marketing of MD iMap 	Submitted: 9/21/10	Outreach Subcommittee

COMPLETED ACTION ITEMS:

Description:	Date Assigned:	Follow Up By:
New MD iMap Map Service Submission	Submitted:	GIO Office

<ul style="list-style-type: none"> Set up a discussion to determine short-term and long-term solutions to accommodating more map services on MD iMap 	2/5/13	
American Community Survey – 18 Map Services <ul style="list-style-type: none"> Place these map services on ftp site where the scope and extent can be reviewed 	Submitted: 2/5/13	MDP
MDE Land Use Data Solicitation Meeting <ul style="list-style-type: none"> Forward invite to Lisa Lowe 	Submitted: 2/5/13	Jim Cannistra
Future Agenda Item <ul style="list-style-type: none"> Bring a regular report to the meeting about what credits are being used and discuss what to publish, etc. 	Submitted: 8/7/12	GIO & Co-Chairs
SwGi Connection <ul style="list-style-type: none"> Testing the connection with simultaneous users on Wednesday, 2/6/13 DoIT to test this week or early next week and get back to group 	Updated: 2/5/13 Submitted: 12/4/12	Jason Keppler
Code Acquisition for MD iMap Portal <ul style="list-style-type: none"> DoIT developers working with DoIT staff to obtain code from various application developers Provide updated worksheet to Kenny Miller for review, after updates have been applied (Kaushik Dutta) Development Code Worksheet Generated (Kaushik Dutta) Date of Launch – add this additional column and information to worksheet (Kaushik Dutta) Work on filling in missing information (Kaushik Dutta & Kenny Miller) Meeting to be scheduled to discuss next steps Excel spreadsheet inventory being produced by CGIS and MES Actively being pursued Obtain Flex code from CGIS and MES for MD iMap-based applications 	Updated: 12/4/12; 7/5/11; 6/7/11; 1/4/11; 12/21/10; 12/7/10; 11/16/10 Submitted: 10/19/10	GIO Office
Topography Updates <ul style="list-style-type: none"> URL to access data and map services from ESRC added to Portal Share Salisbury map service URL with the group 	Updated: 2/5/13 Submitted: 6/5/12	GIO

Introductions

Round-the-room

MD iMap Executive Committee Meeting

ELA Statistics

- .pdf being made available via Portal for monthly utilization of licenses under the ELA
 - Accessible at the bottom of the homepage: <http://imap.maryland.gov/portal/>
- .pdf from ArcGIS Online: credit usage for stats section to be included in future reports
- Current license manager usage: ratio of ArcInfo to ArcView utilization is suspicious
 - Educate users to use right level

- Saves money in the long run
- 3 cost components: Desktop, AGOL and Server to be considered for renegotiations with Esri
- Are stand-alone licenses tracked?
 - On separate spreadsheet
 - Like to renegotiate 30 day check out, perhaps change to 90 day check out
 - Some user scenarios should be changed to stand-alone licenses
- ArcEditor would be preferable to ArcInfo
- Obtain documentation from Esri concerning what is available at each level of desktop licenses

Data & Resources Subcommittee Updates

- No new map services added
- Removed/turned off map services to consolidate current system and respond to capacity issues
- Removed layers from basemap which impacted identify tool
 - Now only a single element is identifiable and this shows simply that it is “Maryland”
 - This update has been pushed to production

Addressing Initiative Update – *Russell Provost*

- Joint request letter with Maryland State Police (MSP) is planned to go out next week
- Face-to-face meetings to start shortly with jurisdictions on the Eastern Shore
- Once data is collected, anticipate leveraging data via the cascading geocoder

Cascading Geocoder – *Russell Provost & Ashley Buzzeo* (Presentation Available)

- Some issues which have been identified and are being resolved
 - Exit numbers were not available for ICC
 - Need to talk about sequencing of parcel data
 - Parcel data provided was snapshot of last year’s Maryland Property View (MDPV)
 - Since then, 10 counties have updated points and alignments with ZIPs and municipal boundaries
- Hoped to preview at TUGis, can still discuss options and opportunity
- Will need to get into update cycle for all layers
 - MDPV in particular as it is continuously improving
- Incorporate county points into this product in the future
- Format parameters for using this resource to be provided on Portal

Action Item: Remove “Marker” from Mile Marker data – CGIS

Action Item: Add Interstates without space or dash between “I” and number (i.e. I83) to data – CGIS

- Street address format standard is open to being changed, perhaps future discussion
- New FGDC standards for addresses have everything spelled out, including prefix, suffix, etc.
 - Might want to adopt this part of standard
 - Impacts storage, not use of data
- Pages to be added to Portal website to allow for interactive look-up using cascading geocoder resource
- Type in and service will be called

- Search will return top 5 results on separate page or, if only one result, it will show on current page
- Click on result and get details and map view
- Testing is currently being completed by a number of groups
- Brad Wolters to test the ability to pick and choose which geocoders to use, as a subset from all of the geocoders which make up the cascading geocoder

Outreach Subcommittee Updates

- Website updates include:
 - Added ArcGIS Online for Maryland link
 - Including information concerning the MD ELA and the new K-12 Education ELA at the bottom of the homepage
 - Links to ELA information pages on DoIT website, statistics of utilization of the Central License Manager and website concerning K-12 Education ELA
 - GitHub link for new application template is available under Developers tab
- Getting closer to moving the entire Portal infrastructure to DoIT servers

Application Subcommittee Updates

- Socrata sharing between ArcGIS Server is still being pursued and progress has been made
- Socrata offers an API to push data into Socrata
 - Use it to push from ArcGIS Server

MD iMap Application Template Update

- Web map mimicking existing Flex applications
- New template is MD iMap base template
- Configure application as before in AGOL, some Maryland specific themes available
- Individual layers can be turned on/off inside of a single service
- Buttons/icons to be more mobile friendly
- Add data: zipped shapefiles can be added temporarily to an application
- Search limited to Maryland extent
 - Ultimately integrate the cascading geocoder

Question: What kind of print customization can be accommodated?

- Version 10.1 can accommodate additional print templates

Security Policy/Discussion – *Barney Krucoff*

- Secure data will be added at a later time after additional discussion
- Recent data losses in other states
- State standards
 - Any sensitivity = moderately sensitive
 - Federal sensitivity gets owners on quickly
- Disclosure agreements at user level, not broker level, which MD iMap is
- Will need multi-level agreement approved for our specific needs/use case
- Maryland already has some very vigorous sensitivity rules which are not currently being implemented

Additional Business

FedUC

- Significant discussion and demonstration on ArcGIS Server 10.1
- Thanks to Anthony Puzzo for getting additional entrants for the conference
- Packaging services for release was interesting
- Bing maps no longer free
- Landscape analysis bundled or not is not clear, cost-based structure
- Little about Desktop shared or demonstrated
- User presentation were not good
 - Do not compare with NSGIC presentations which was going on simultaneously
 - Only abstracts asked for to be accepted as a speaker, not slides
 - Need to discuss with Esri changing their screening/acceptance policies and practices
- Good presentation on facilities tracking by Spatial Systems Associates, Inc. and MD State Archives
- 3D visualization was interesting
- Largest turn out to date
 - 120 different groups from Maryland and D.C.
- Focus on infrastructure, applications and content
- Centered around Cloud-based resources
- Dynamic feature services: download data and metadata
- developers.arcgis.com: low cost access to developer resources
- New release of ArcGIS Online next week
 - lots of updates anticipated
 - basemap options being licensed differently for Bing maps
 - need Microsoft key to continue with Bing map resources
- Application marketplace coming soon

10.1 Server Migration at Agencies

- Tiles services showing up intermittently: issue
- RAM on machine was maxed out quickly during the migration process
 - Suggest turning off all services not actively being used
 - Going from 60 to 40 services brought the RAM usage down overall
- Resource demands on server change dramatically from 10 to 10.1 (ex.: 8GB > 32GB)
- Problem with caching common, missing tiles at certain levels at 10 and 10.1
 - Somewhat better at 10.1
 - Recommend re-cache at 10.1, not just copy the cache from 10
- Better performance and user interface
 - Better product overall
 - Eager to test advanced tools and capabilities
- Contact Matt Folley at MDP with questions or for discussion

MSGIC Membership Survey

- Became a 501(c)3 about 6 months ago
- Surveyed membership about dues structure
 - Overwhelmingly passed: 78% approved

- Structure for sponsors: \$700 provides unlimited members
 - MSS, MDP, DoIT and ESRGC have already signed up as sponsors
 - Requesting Esri as a sponsor
- Single or single organization representative = \$50
- 5 memberships = \$200
- 10 memberships = \$300
- Unlimited memberships = \$500
- Found out how/when to implement and how to invoice, etc.
- Hope all state agencies become members
- Anticipate syncing payments with FYs
- Coordination is not possible without broader community through MSGIC
 - Addressing and imagery are existing successful examples of this coordination
 - Hope to do more to support various initiatives of GIS community

City Engine

- Good methodology for workflow

Action Item: Present City Engine at next Technical Committee Meeting – MDP

Maryland Property View (MDPV)

- Pitched to change budget model, not successful
- Invoices gone out, another year of enterprise structure
- Cannot distribute data outside of MDP
- Lean on agencies to pay otherwise cannot contribute to joint efforts
- Leverage this group and Barney Krucoff to get agencies to pay
- Addressing to also collect building footprints
- North Carolina using LiDAR and footprints to get base flood elevations
- Use LiDAR to get mean elevation and use in City Engine to extrude
- A lot of LiDAR for MD available
 - QA being collected now
 - Somerset and Dorchester Counties trying to get funding for fly this year
- Eastern Shore imagery being flown now
- USGS no longer taking 6" imager, 12" resolution only
 - Provide to Esri to serve up
 - Like State to pursue this option
 - Don not want to take time to resample 6" imager for their purposes
 - Google not showing most up-to-date data available
 - Also impact data distribution; do not have State site to download or order tiles of imagery

Esri Task Services

- Esri task services have been retired
- Of these services, four services were getting over 1,000,000 hits a month
- Broadband lost this resource, but have been provided resources by MDP as replacement